GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA

UNSTARRED QUESTION NO:1331
ANSWERED ON:26.02.2003
SCIENTIFIC BREAKTHROUGH BY SCIENTISTS OF SINP, KOLKATA
PRIYA RANJAN DASMUNSI

Will the Minister of ATOMIC ENERGY be pleased to state:

(a) whether Scientists of Saha Institute of Nuclear Physics, Kolkata achieved a 99.995 per cent concentration of Helium;

(b) if so, whether this breakthrough is likely to benefit the country;

(c) if so, the details thereof;

(d) whether this breakthrough is going to boost cryo-technology in India; and

(e) if so, the details thereof?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF PLANNING, MINISTER OF STATE IN THE MINISTRY OF STATISTIC PROGRAMME IMPLEMENTATION, MINISTER OF STATE IN THE DEPARTMENT OF ATOMIC ENERGY AND MINISTER O STATE IN THE DEPARTMENT OF SPACE (SHRI S.B. MOOKHERJEE)

(a) to (e) Yes, Sir. The scientists of Saha Institute of Nuclear Physics (SINP) have achieved 99.995 vol % purity of helium from thermal spring gas containing 1.4 vol% helium. This would help the development of cryo- technology in the country. However, the available source of helium bearing raw gases from thermal springs is limited and cannot meet the national demand.